

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055012.D
 Acq On : 12 Apr 2019 21:05
 Operator : JC/SP
 Sample : K2204-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 03:44:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	579453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	902864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	736812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	240325	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	364740	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.59	113	291236	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	10.09	98	1060947	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	305034	42.84	ug/l	0.00
Spiked Amount			Recovery	=	85.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	727	1.346	ug/l	99
16) Acetone	3.82	43	21822	10.924	ug/l	98
17) Carbon Disulfide	4.04	76	4019	0.275	ug/l #	86
18) Methyl Acetate	4.33	43	2627	0.424	ug/l #	79
20) Methylene Chloride	4.54	84	167279	25.044	ug/l	98
25) 2-Butanone	6.86	43	1963	0.638	ug/l #	53
29) Tetrahydrofuran	7.23	42	2190	1.086	ug/l #	72
31) Cyclohexane	7.66	56	11579	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	41707	4.998	ug/l #	50
38) Carbon Tetrachloride	7.67	117	52959	6.743	ug/l #	16
41) Methacrylonitrile	7.23	41	1621	0.421	ug/l #	33
43) Isopropyl Acetate	8.17	43	16647	1.554	ug/l	98
45) 1,2-Dichloropropane	9.27	63	1625	0.228	ug/l #	44
48) Methyl methacrylate	9.19	41	9117	1.652	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	5889	0.939	ug/l #	84
54) cis-1,3-Dichloropropene	9.91	75	53743	5.808	ug/l #	67
57) 1,3-Dichloropropane	10.77	76	10343	1.079	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.69	63	132	18.241	ug/l #	50
59) 2-Hexanone	10.77	43	178840	45.632	ug/l #	55
71) Bromoform	12.40	173	3302	3.457	ug/l #	1
74) N-amyl acetate	12.06	43	1574	0.256	ug/l #	76
76) 1,2,3-Trichloropropane	12.40	75	158260	35.794	ug/l #	100
77) Bromobenzene	12.53	156	494	Below Cal		74
80) 1,3,5-Trimethylbenzene	12.73	105	4879	0.293	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	158260	147.740	ug/l #	2
84) 1,2,4-Trimethylbenzene	13.04	105	4336	0.272	ug/l	96
86) p-Isopropyltoluene	13.29	119	5068	0.320	ug/l	100
89) n-Butylbenzene	13.62	91	3656	0.294	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	1684	0.213	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	2307	4.076	ug/l	88
94) Hexachlorobutadiene	15.01	225	624	Below Cal	#	54
95) Naphthalene	15.14	128	11218	5.783	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	2742	0.767	ug/l	93

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Response via : Initial Calibration

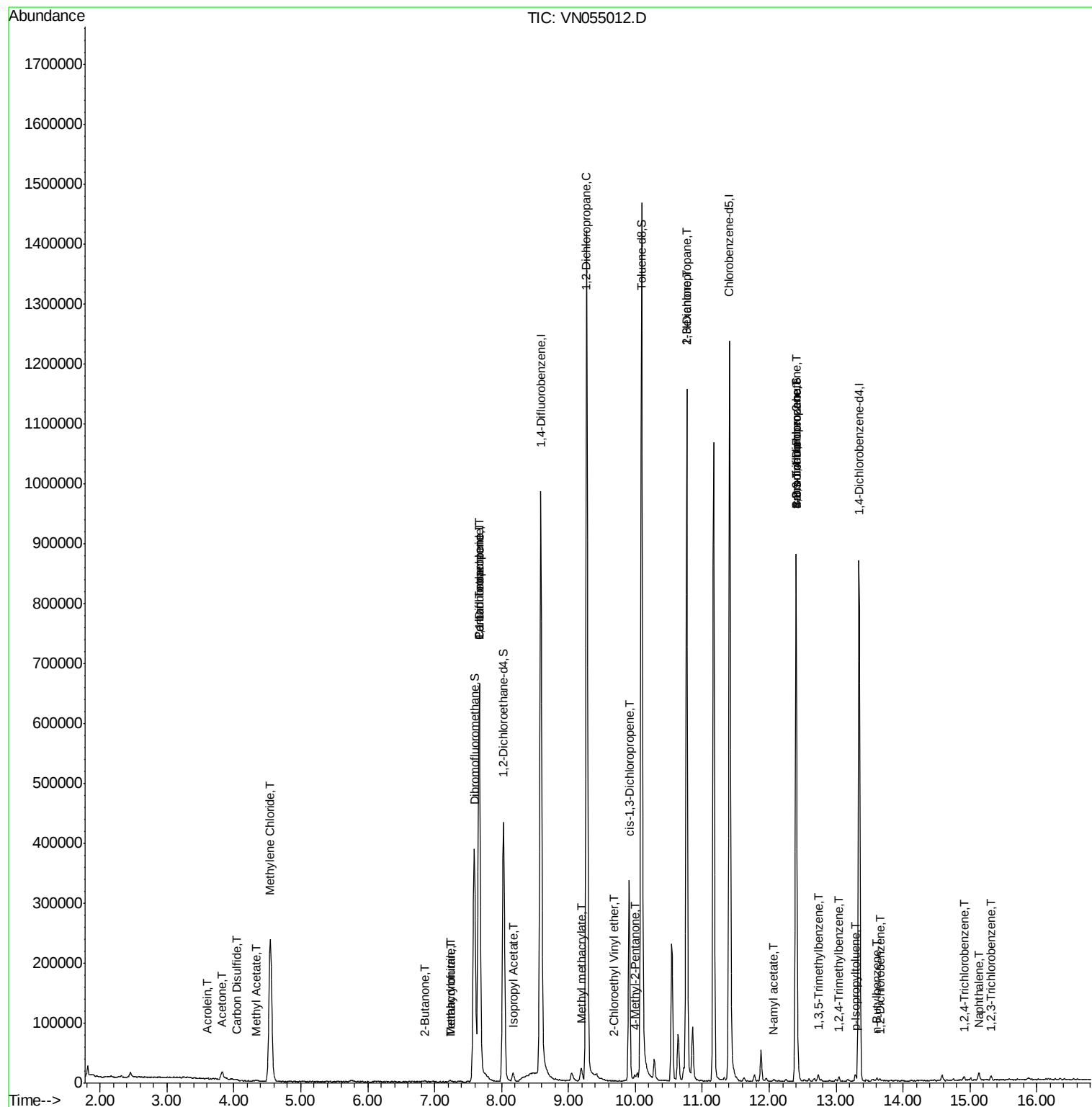
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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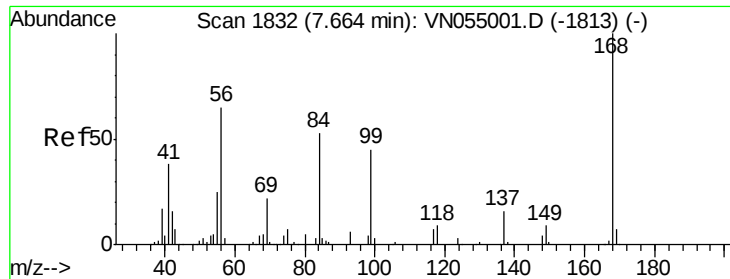
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

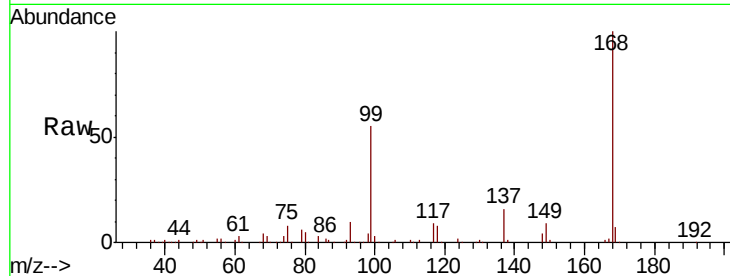
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 579453

Ion Ratio Lower Upper

168 100

99 54.5 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055012.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055012.D (-1739) (-)

7.67

250000

200000

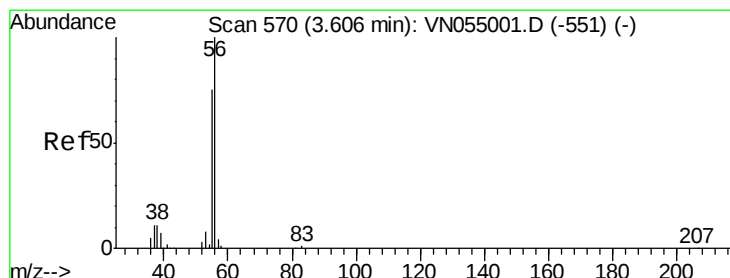
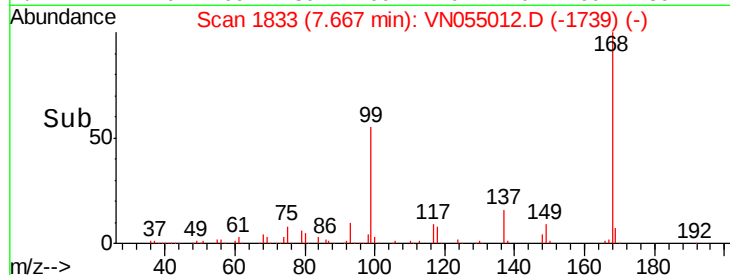
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 1.346 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055012.D

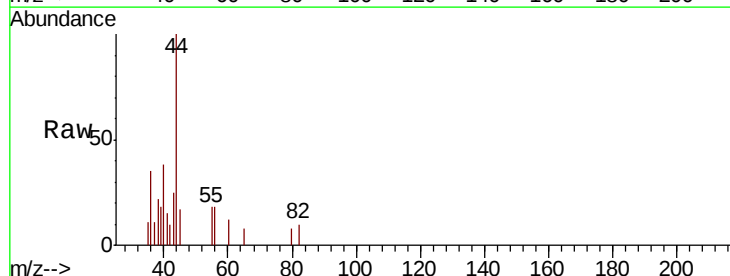
Acq: 12 Apr 2019 21:05

Tgt Ion: 56 Resp: 727

Ion Ratio Lower Upper

56 100

55 73.3 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN055012.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055012.D (-477) (-)

3.60

400

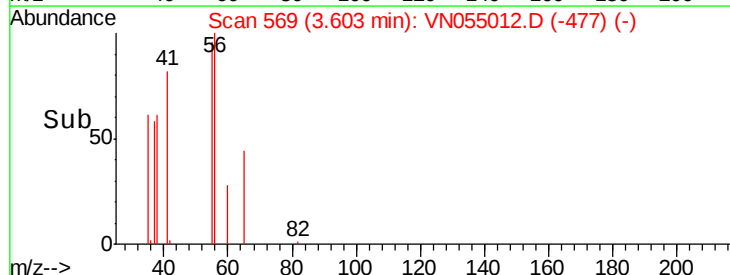
300

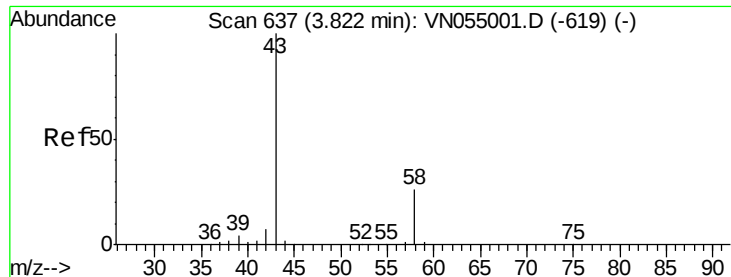
200

100

0

Time--> 3.58 3.60 3.62 3.64





#16

Acetone

Concen: 10.924 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

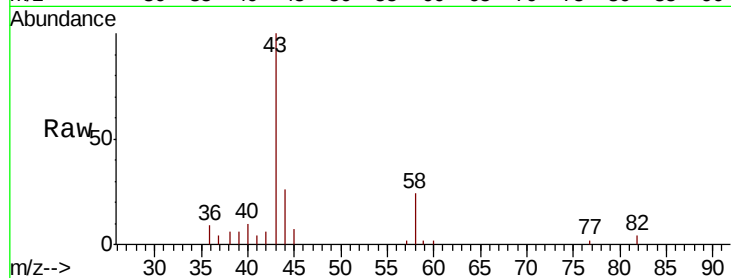
ClientSampleId :

Tot Ion: 43 Resp: 21822

Ion Ratio Lower Upper

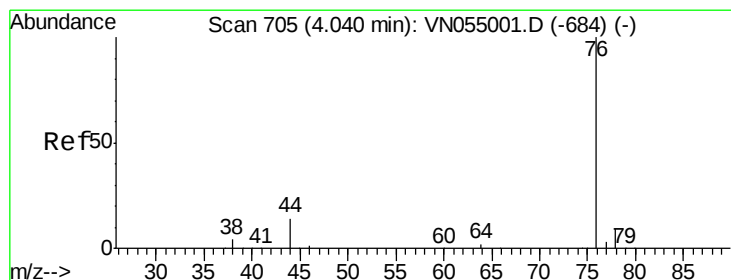
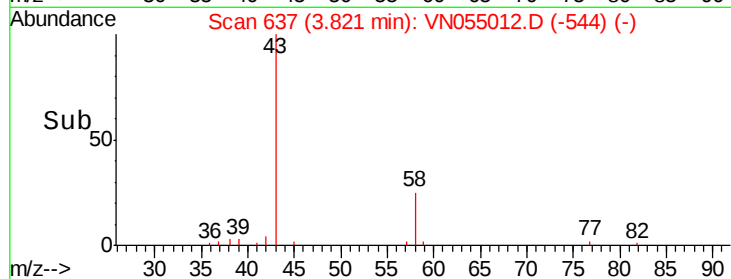
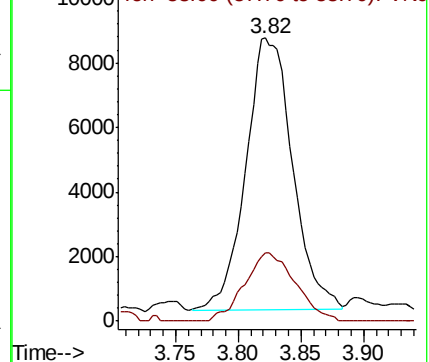
43 100

58 25.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.275 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055012.D

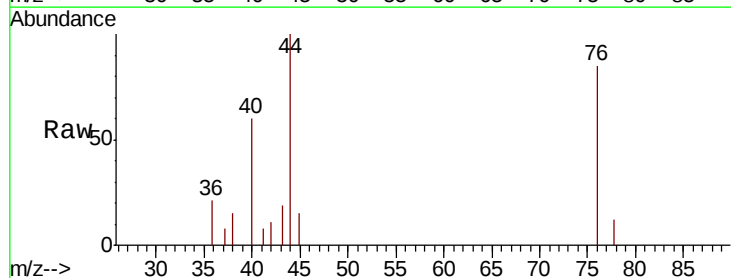
Acq: 12 Apr 2019 21:05

Tgt Ion: 76 Resp: 4019

Ion Ratio Lower Upper

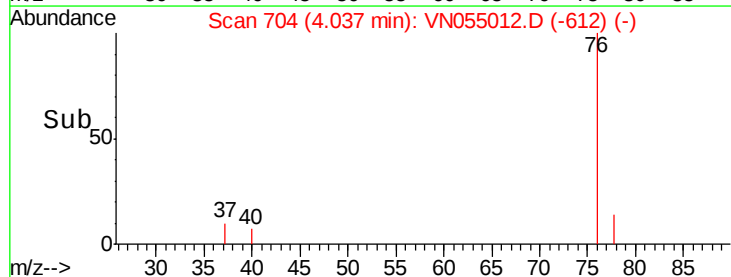
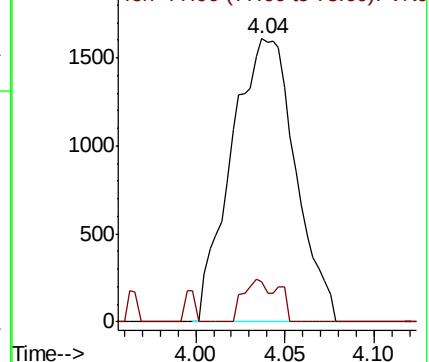
76 100

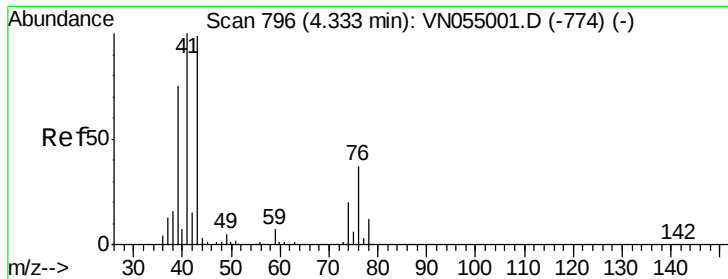
78 14.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

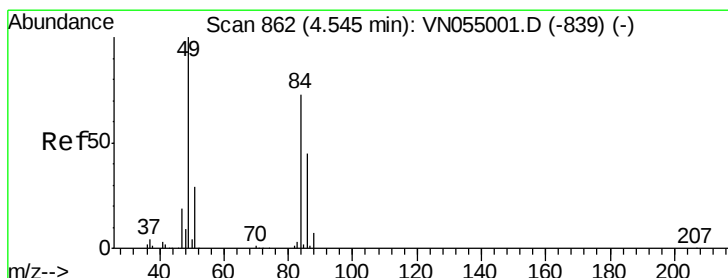
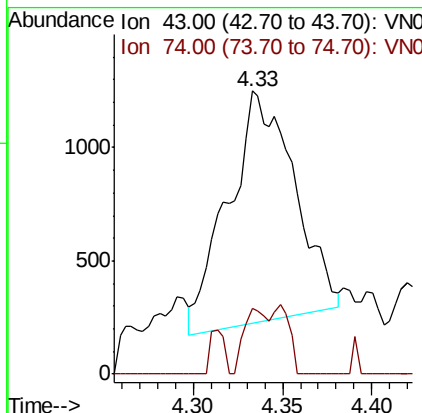
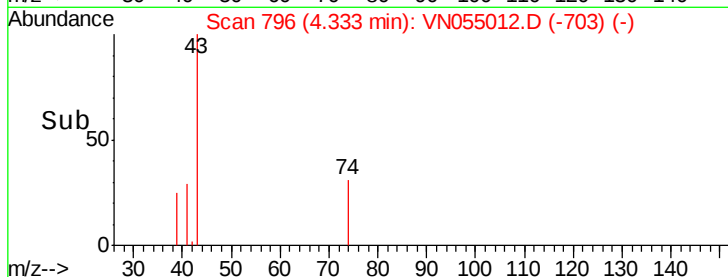
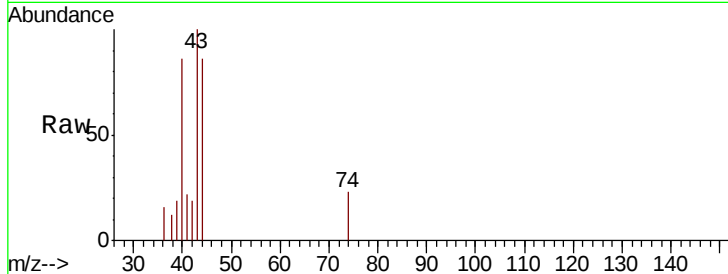




#18
Methyl Acetate
Concen: 0.424 ug/l
RT: 4.33 min Scan# 796
Delta R.T. -0.00 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

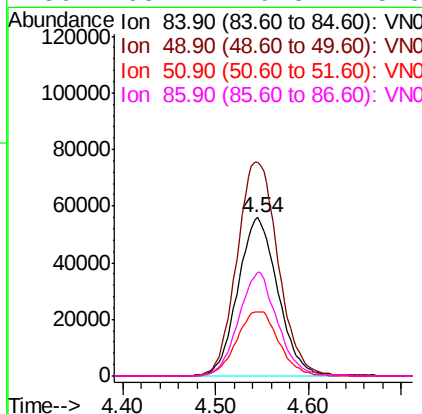
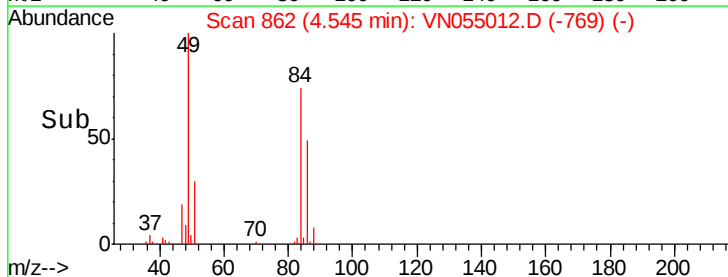
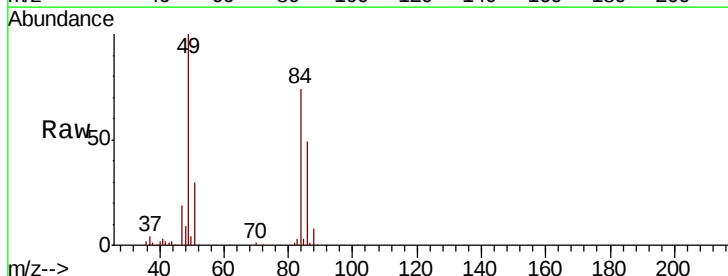
Instrument :
MSVOA_N
ClientSampled :

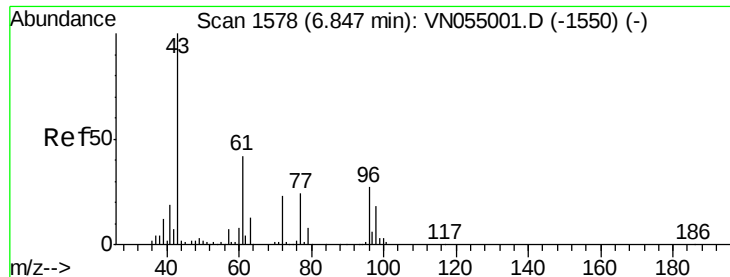
Tot Ion: 43 Resp: 2627
Ion Ratio Lower Upper
43 100
74 10.6 16.1 24.1#



#20
Methylene Chloride
Concen: 25.044 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

Tgt Ion: 84 Resp: 167279
Ion Ratio Lower Upper
84 100
49 134.6 109.4 164.2
51 40.6 32.2 48.4
86 65.4 49.3 73.9

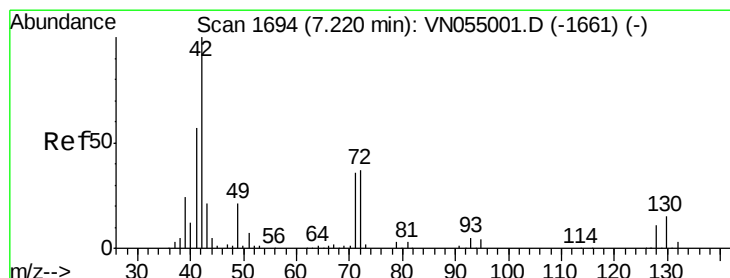
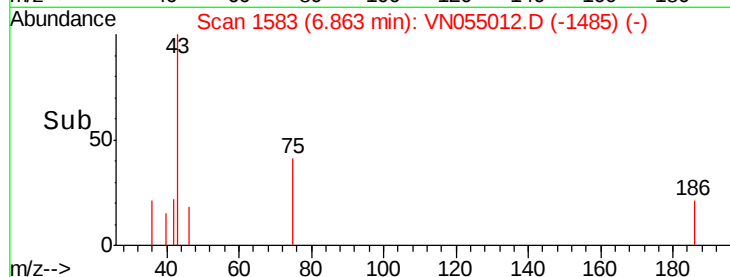
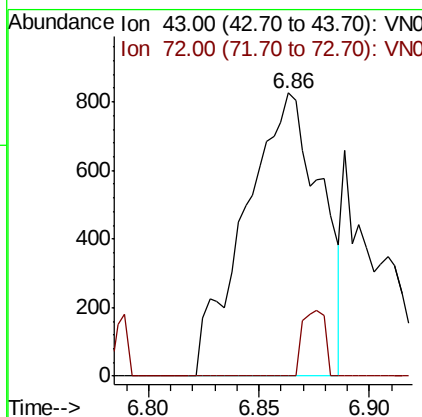
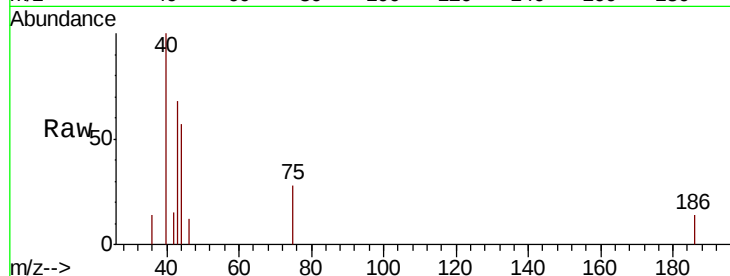




#25
2-Butanone
Concen: 0.638 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.02 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

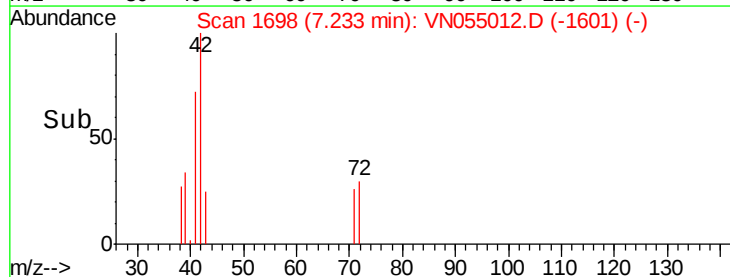
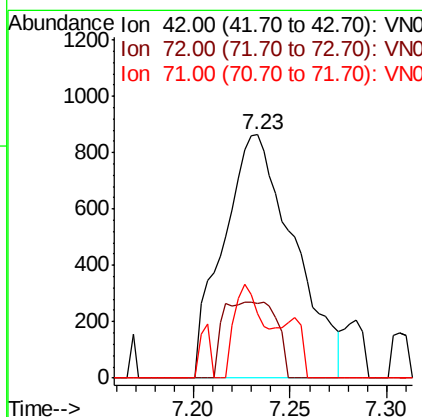
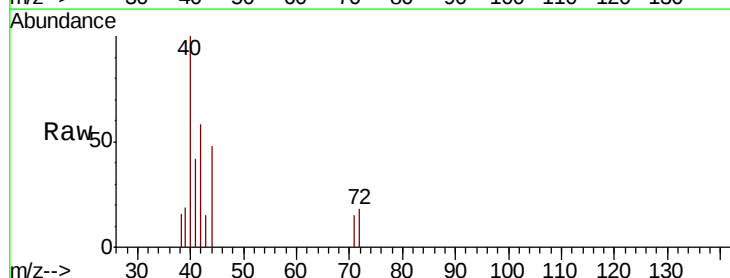
Instrument :
MSVOA_N
ClientSampled :

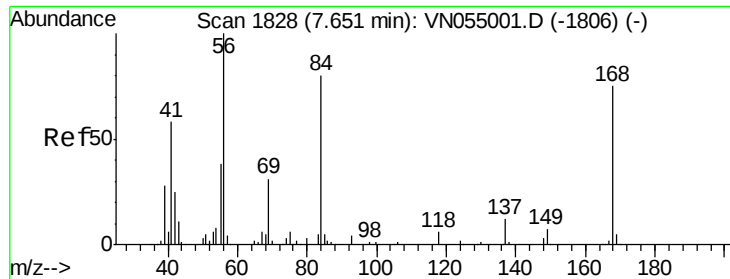
Tot Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
72 0.0 18.1 27.1#



#29
Tetrahydrofuran
Concen: 1.086 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

Tgt Ion: 42 Resp: 2190
Ion Ratio Lower Upper
42 100
72 23.7 29.4 44.0#
71 14.8 27.8 41.6#

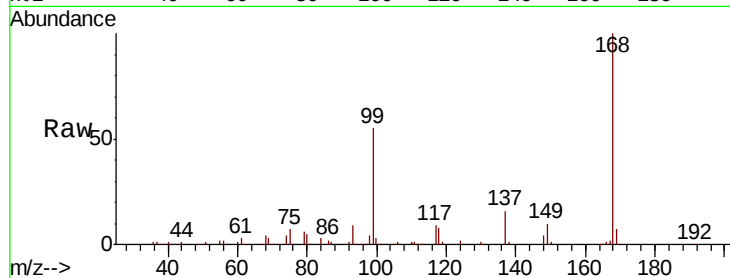




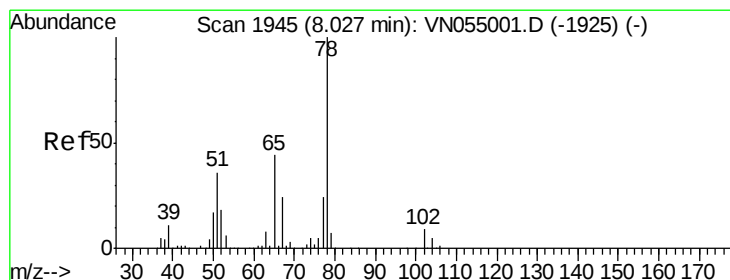
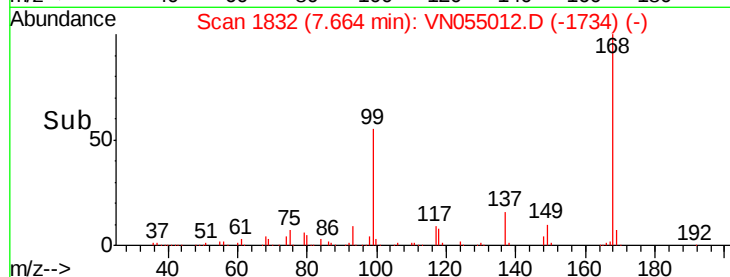
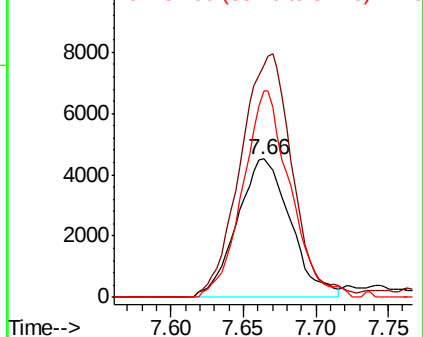
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 11579
Ion Ratio Lower Upper
56 100
69 167.6 24.5 36.7#
84 149.4 62.9 94.3#

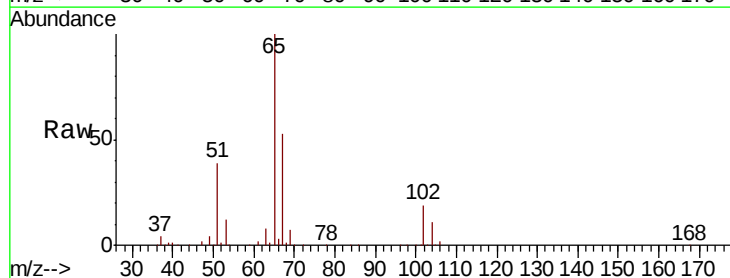


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

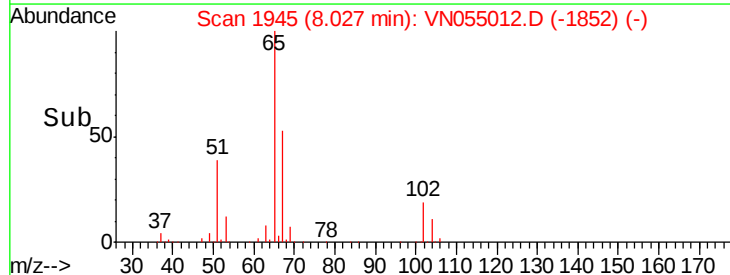
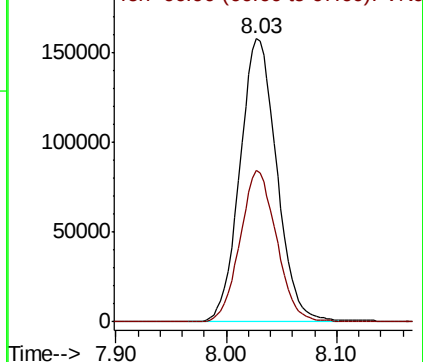


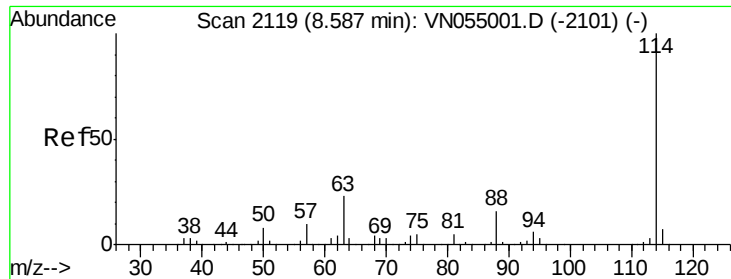
#33
1,2-Dichloroethane-d4
Concen: 50.158 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

Tgt Ion: 65 Resp: 364740
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

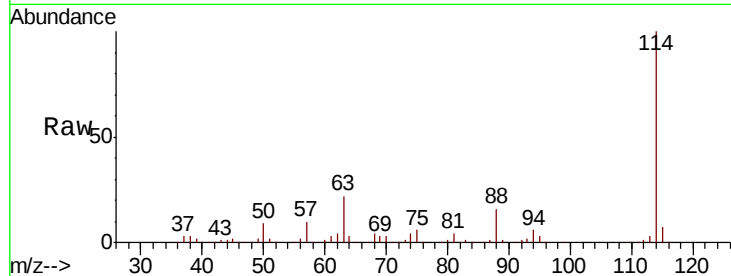




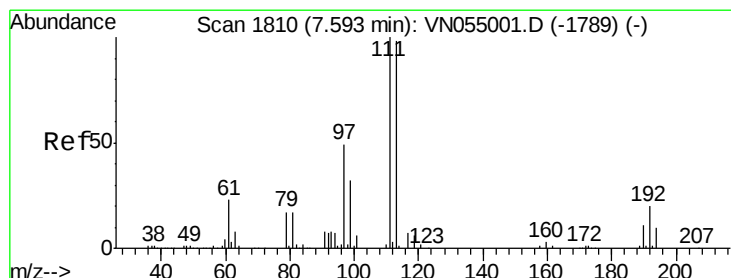
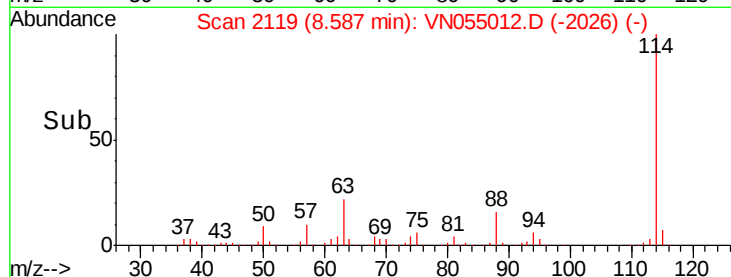
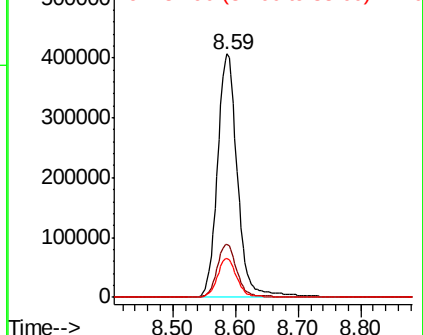
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 902864
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.2
88 15.9 0.0 31.8

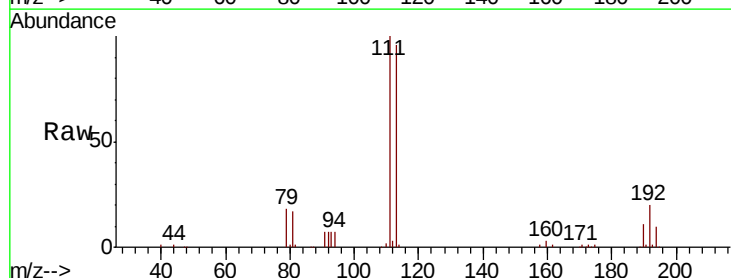


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

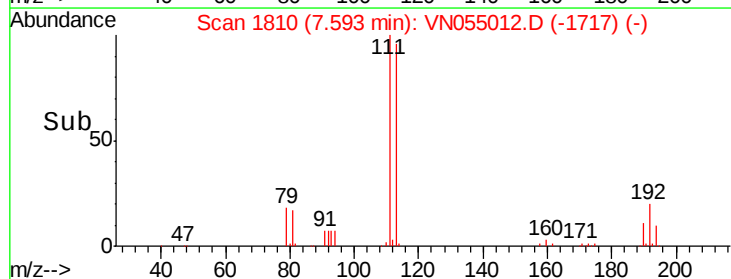
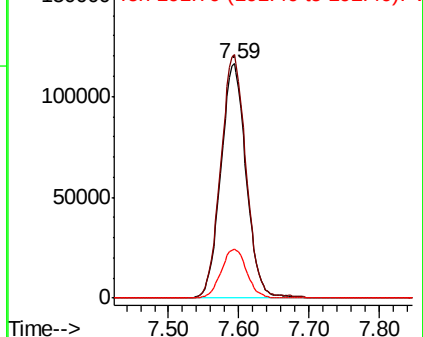


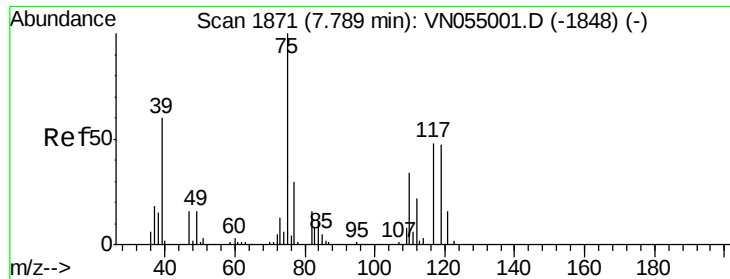
#35
Dibromofluoromethane
Concen: 50.601 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

Tgt Ion:113 Resp: 291236
Ion Ratio Lower Upper
113 100
111 104.0 82.1 123.1
192 21.0 16.5 24.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

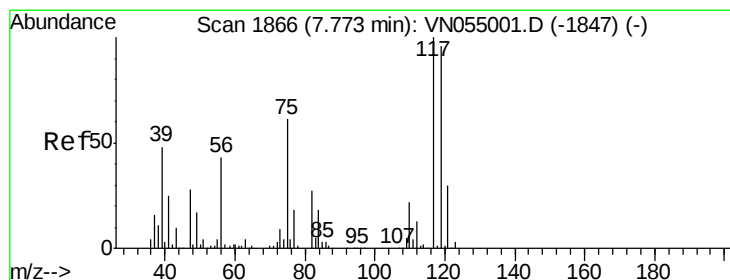
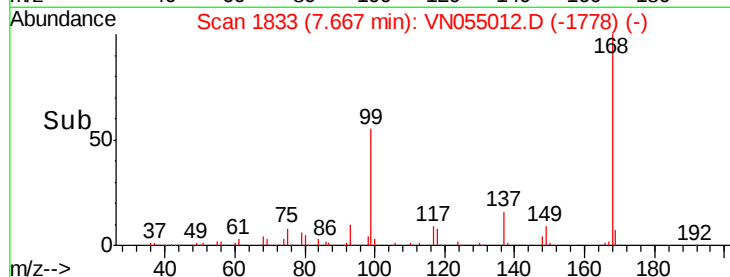
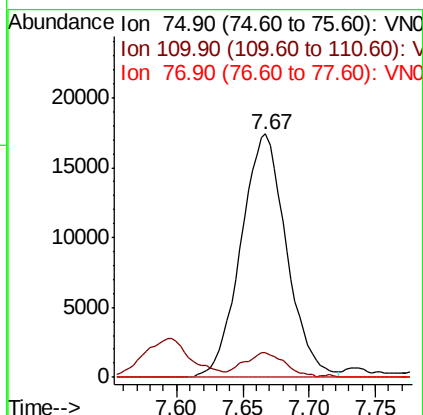
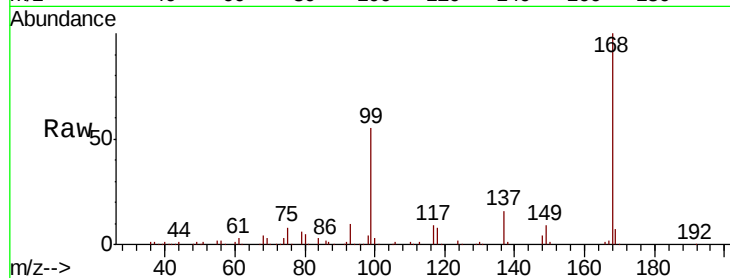




#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055012.D
 Acq: 12 Apr 2019 21:05

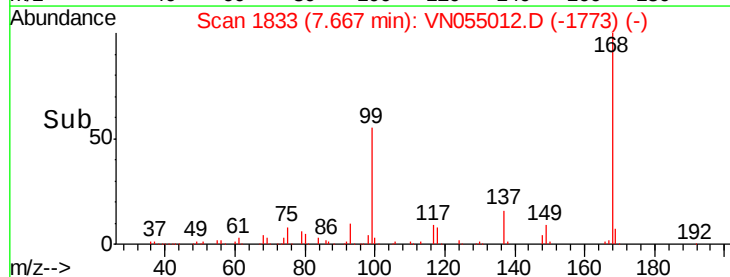
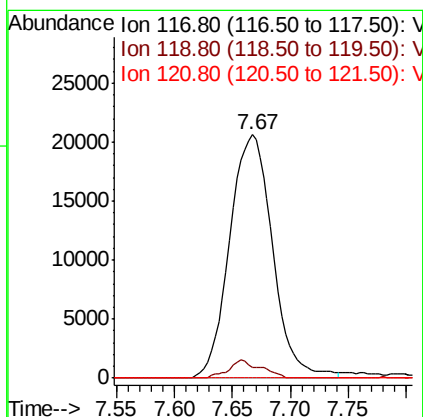
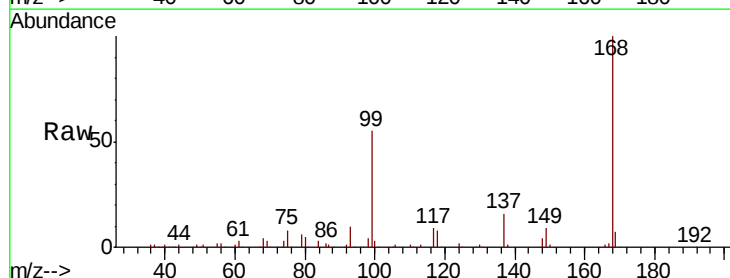
Instrument :
 MSVOA_N
 ClientSampleId :

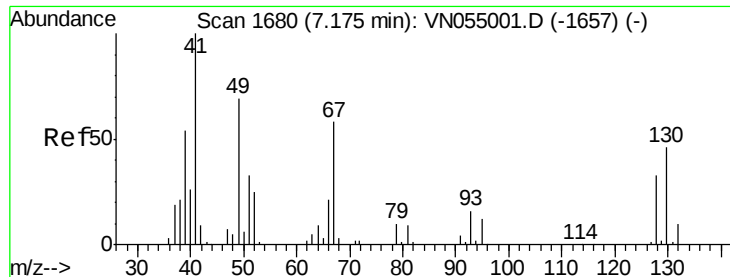
Tot Ion	75	Resp	41707
Ion Ratio	100	Lower	Upper
75	100		
110	9.4	17.5	52.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.743 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055012.D
 Acq: 12 Apr 2019 21:05

Tgt Ion	117	Resp	52959
Ion Ratio	100	Lower	Upper
117	100		
119	4.5	76.3	114.5#
121	0.0	23.9	35.9#

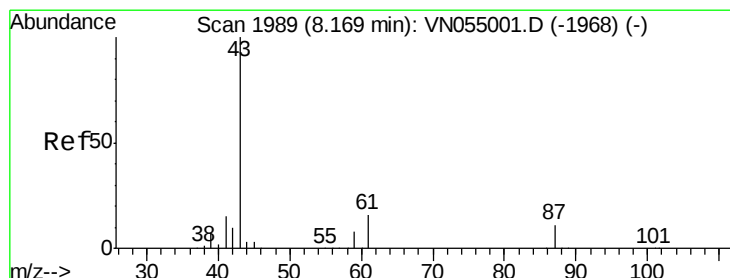
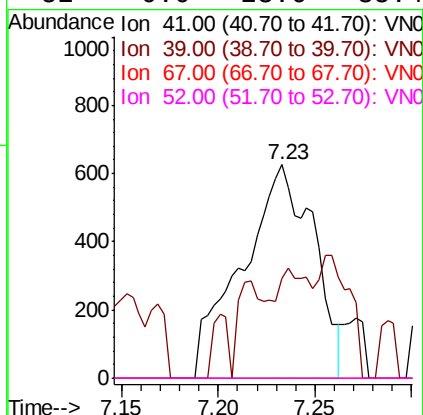
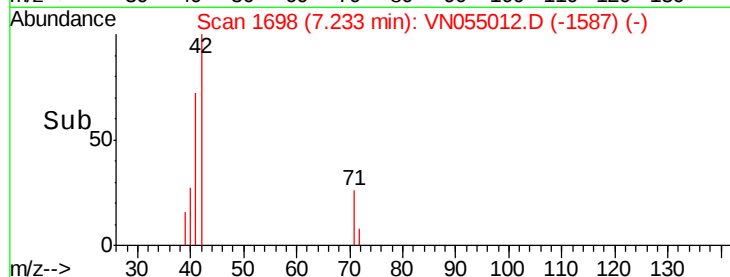
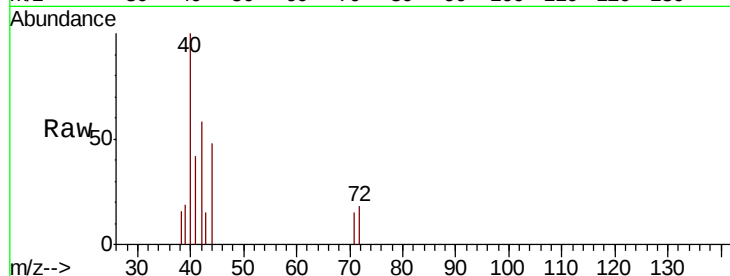




#41
Methacrylonitrile
Concen: 0.421 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.06 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

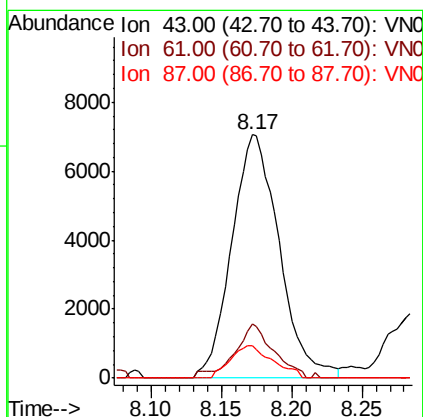
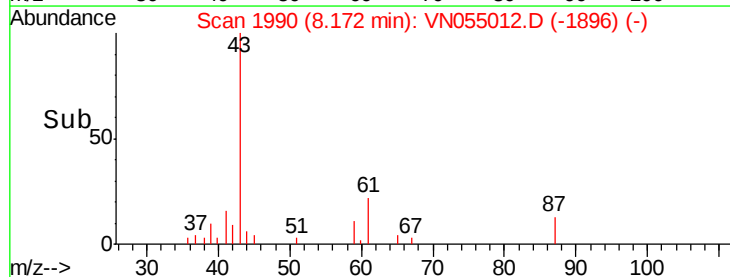
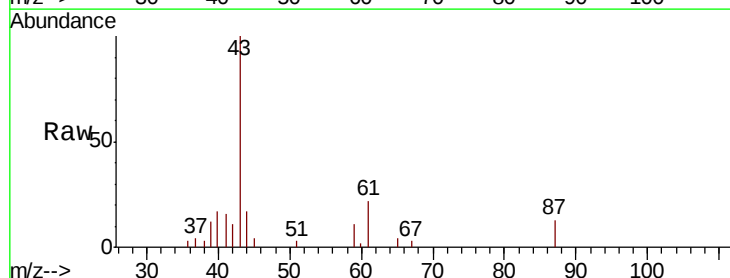
Instrument :
MSVOA_N
ClientSampleId :

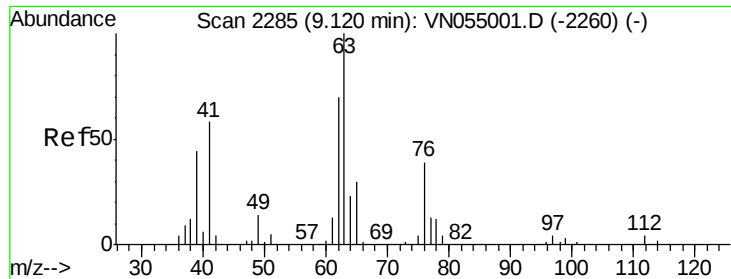
Tot Ion: 41 Resp: 1621
Ion Ratio Lower Upper
41 100
39 20.9 45.6 68.4#
67 0.0 57.0 85.6#
52 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 1.554 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN055012.D
Acq: 12 Apr 2019 21:05

Tgt Ion: 43 Resp: 16647
Ion Ratio Lower Upper
43 100
61 17.2 14.3 21.5
87 11.9 8.6 13.0





#45

1,2-Dichloropropane

Concen: 0.228 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.15 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

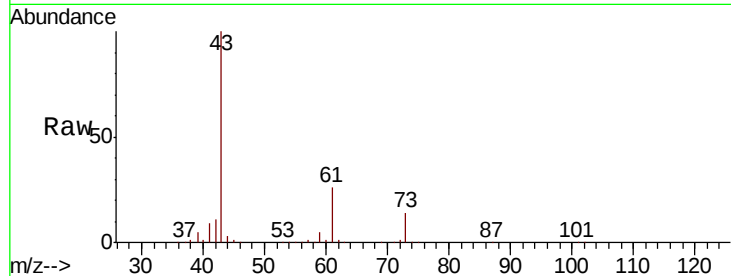
ClientSampled :

Tot Ion: 63 Resp: 1625

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.27

800

600

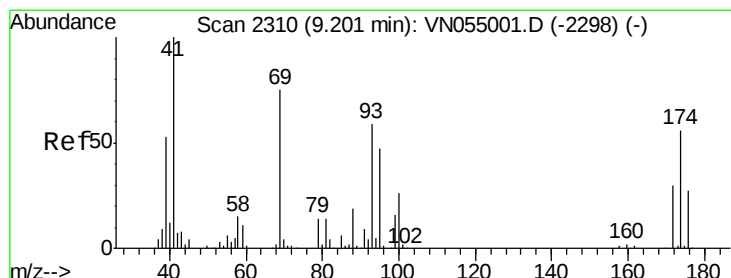
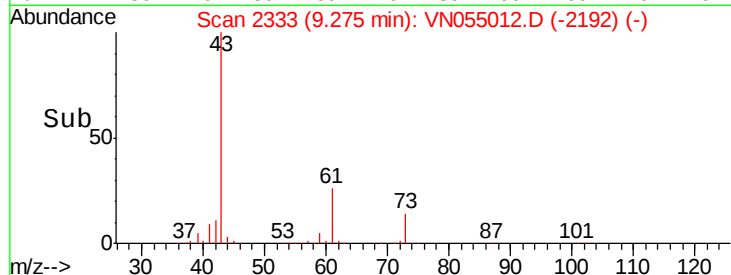
400

200

0

9.25 9.30

Time-->



#48

Methyl methacrylate

Concen: 1.652 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

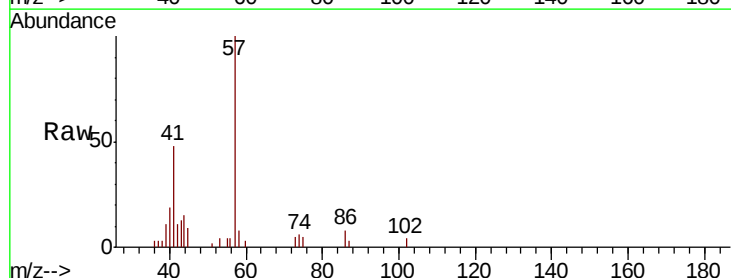
Tgt Ion: 41 Resp: 9117

Ion Ratio Lower Upper

41 100

69 0.0 60.5 90.7#

39 0.0 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

100000

80000

60000

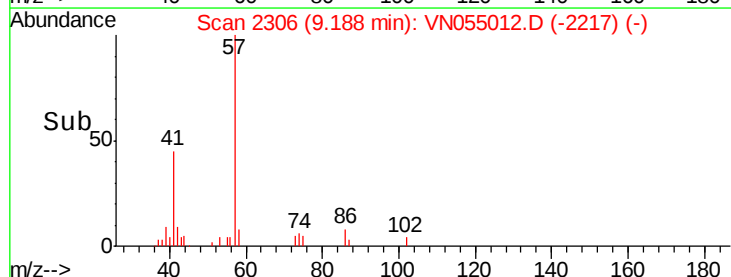
40000

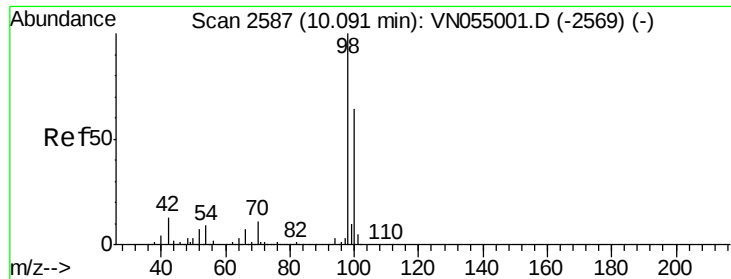
20000

0

9.10 9.15 9.20 9.25

Time-->





#50

Toluene-d8

Concen: 50.188 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

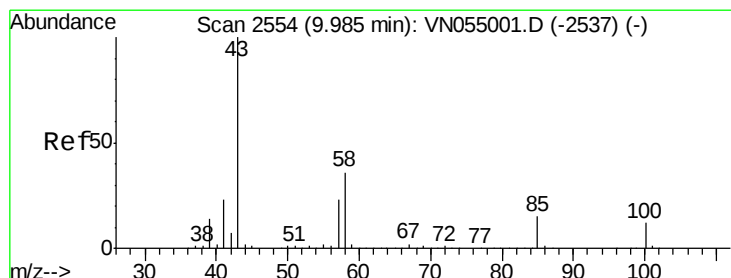
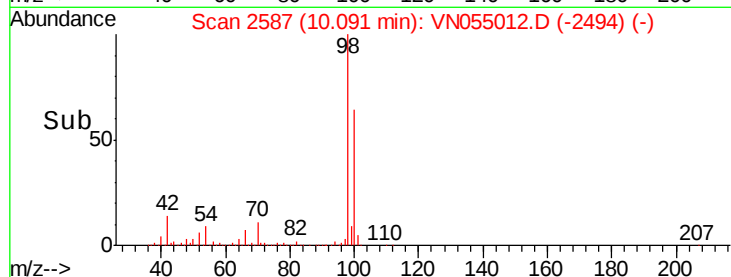
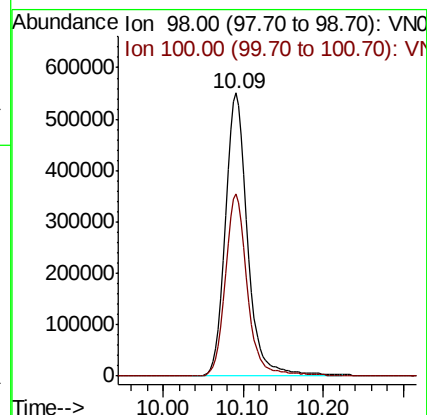
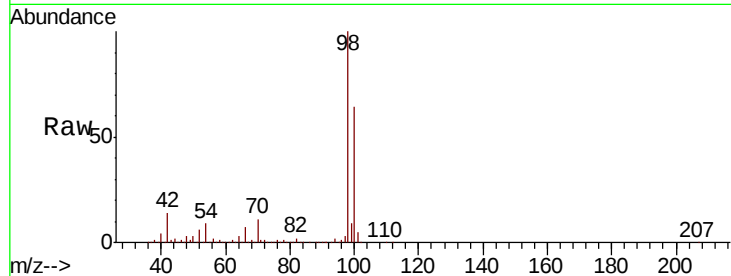
ClientSampled :

Tot Ion: 98 Resp: 1060947

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.939 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055012.D

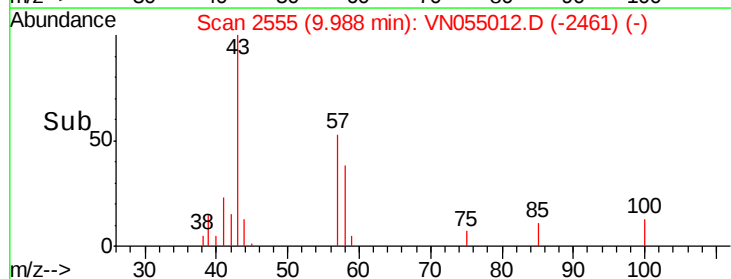
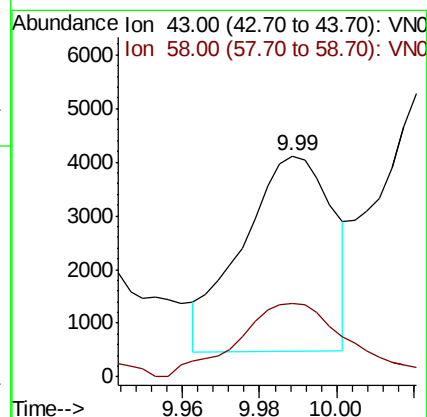
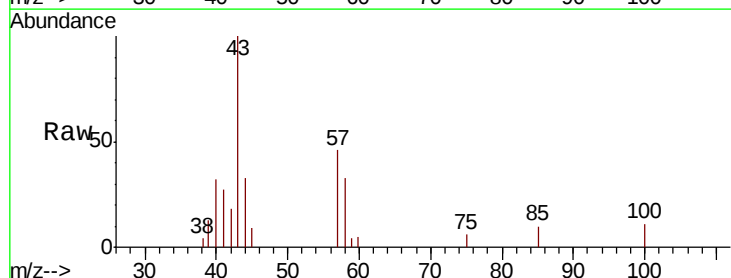
Acq: 12 Apr 2019 21:05

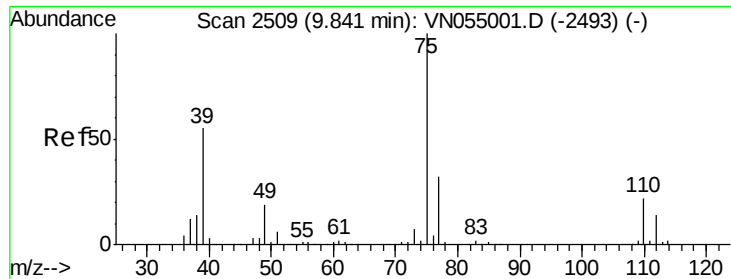
Tgt Ion: 43 Resp: 5889

Ion Ratio Lower Upper

43 100

58 45.9 29.0 43.4#



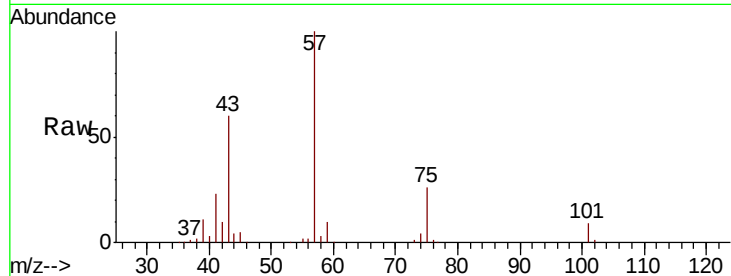


#54

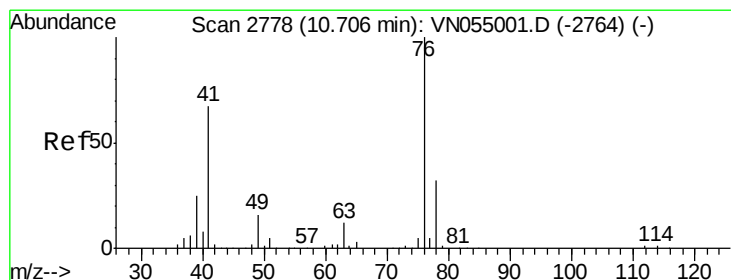
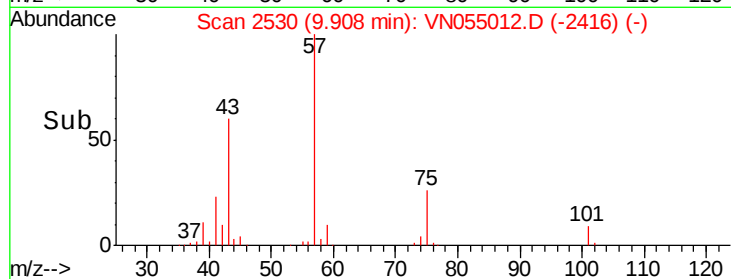
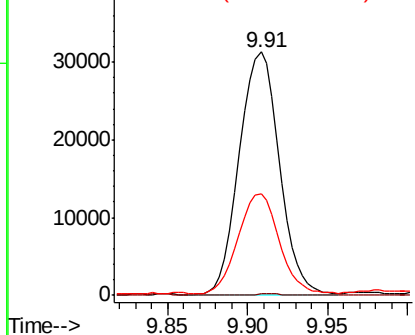
cis-1,3-Dichloropropene
 Concen: 5.808 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN055012.D
 Acq: 12 Apr 2019 21:05

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 53743
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.6#
 39 41.0 43.8 65.8#



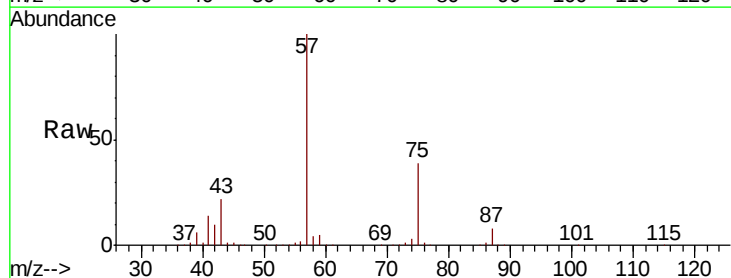
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



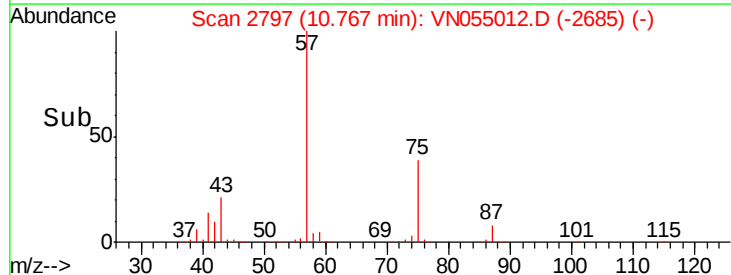
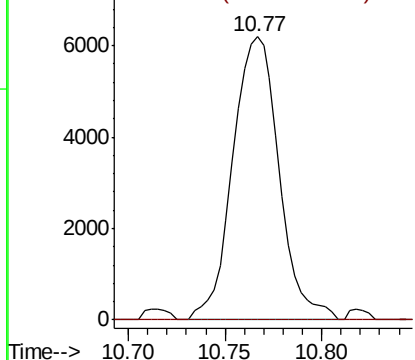
#57

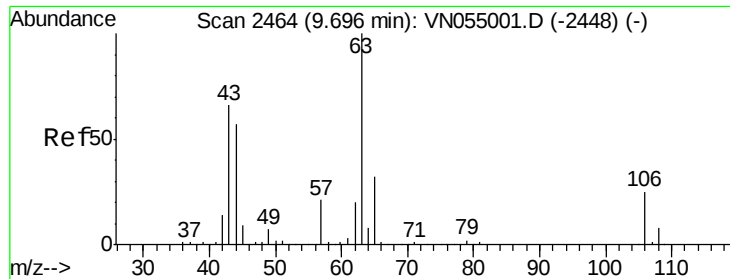
1,3-Dichloropropane
 Concen: 1.079 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN055012.D
 Acq: 12 Apr 2019 21:05

Tgt Ion: 76 Resp: 10343
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VNO
 Ion 77.90 (77.60 to 78.60): VNO





#58

2-Chloroethyl Vinyl ether

Concen: 18.241 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.01 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

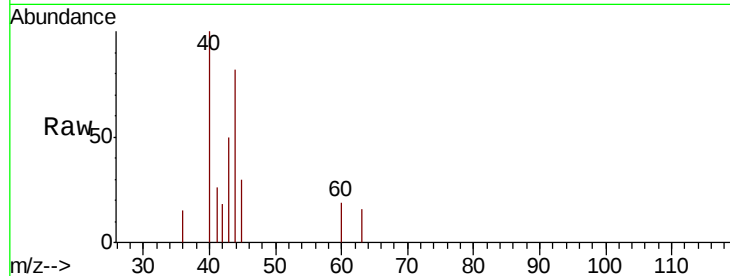
ClientSampleId :

Tot Ion: 63 Resp: 132

Ion Ratio Lower Upper

63 100

106 0.0 20.0 30.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

250

200

150

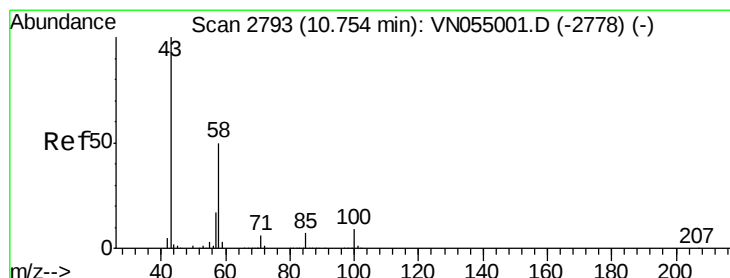
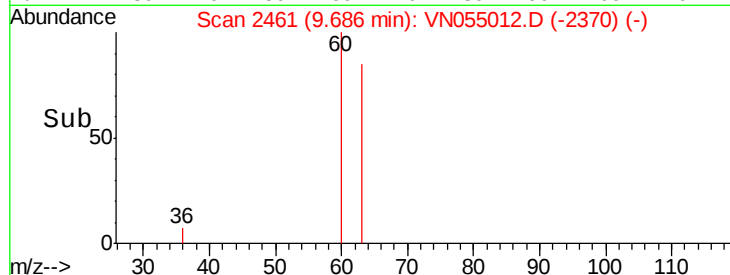
100

50

0

9.68 9.69 9.70

Time-->



#59

2-Hexanone

Concen: 45.632 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN055012.D

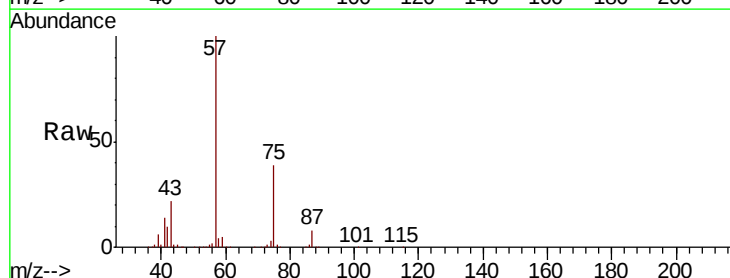
Acq: 12 Apr 2019 21:05

Tgt Ion: 43 Resp: 178840

Ion Ratio Lower Upper

43 100

58 19.0 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

120000

100000

80000

60000

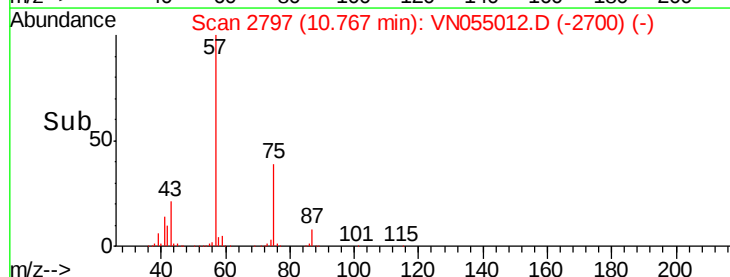
40000

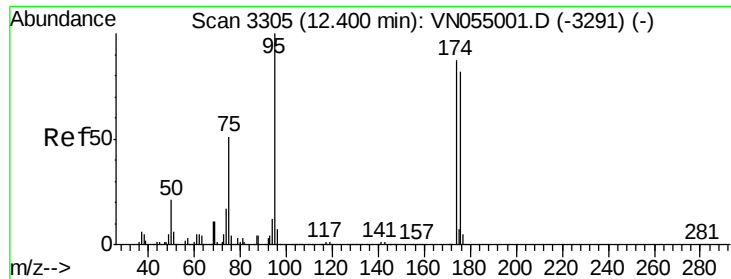
20000

0

10.75 10.77 10.80

Time-->





#62

4-Bromofluorobenzene

Concen: 42.838 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

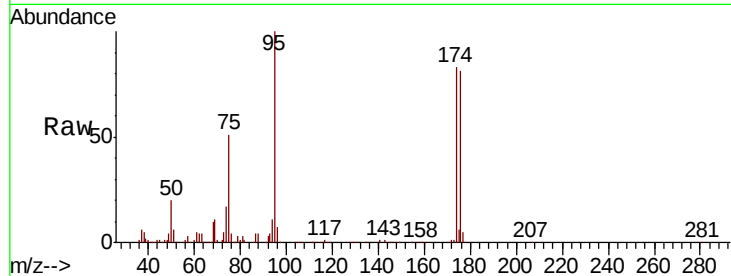
Tot Ion: 95 Resp: 305034

Ion Ratio Lower Upper

95 100

174 84.7 0.0 174.4

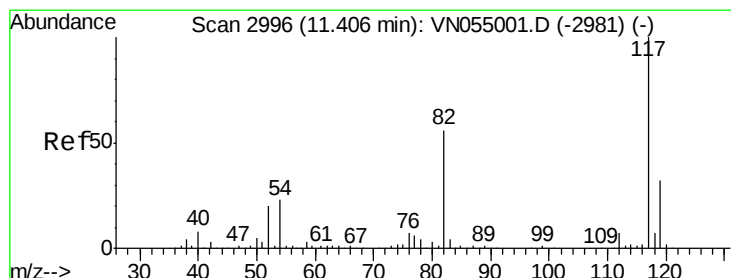
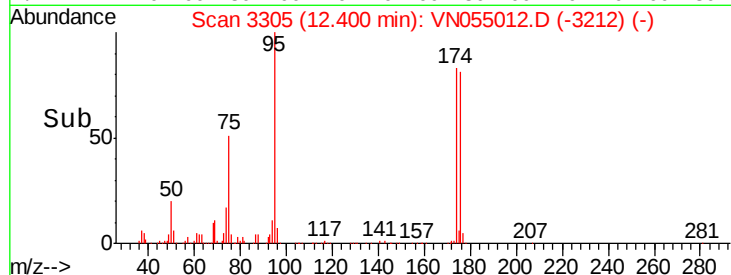
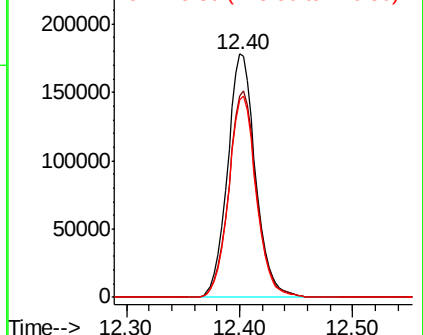
176 81.8 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055012.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055012.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055012.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

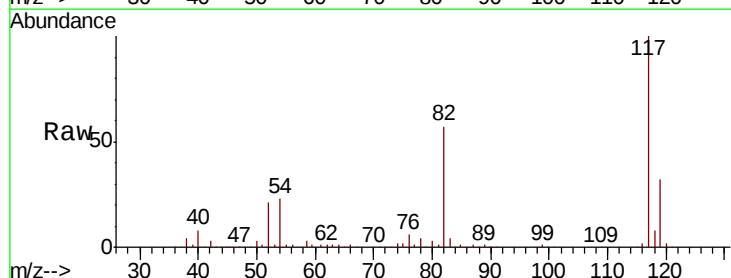
Tgt Ion: 117 Resp: 736812

Ion Ratio Lower Upper

117 100

82 56.5 44.6 66.8

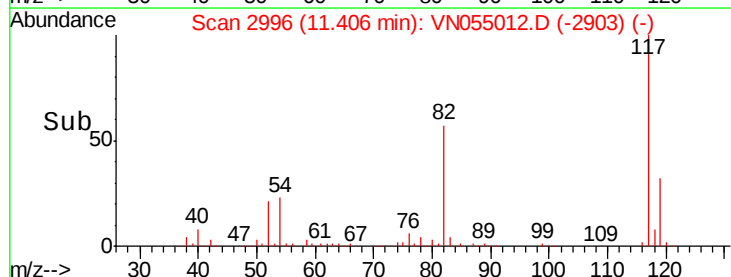
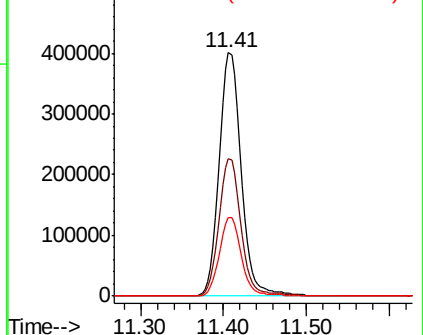
119 32.2 25.5 38.3

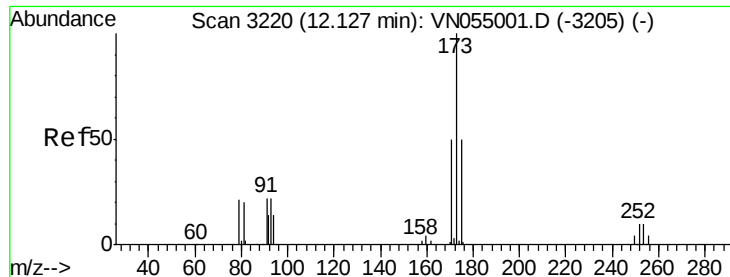


Abundance Ion 116.90 (116.60 to 117.60): VN055012.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055012.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055012.D (-2903) (-)





#71

Bromoform

Concen: 3.457 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

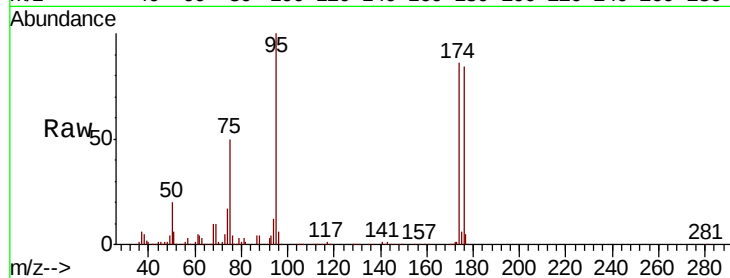
Tot Ion:173 Resp: 3302

Ion Ratio Lower Upper

173 100

175 514.4 24.3 73.0#

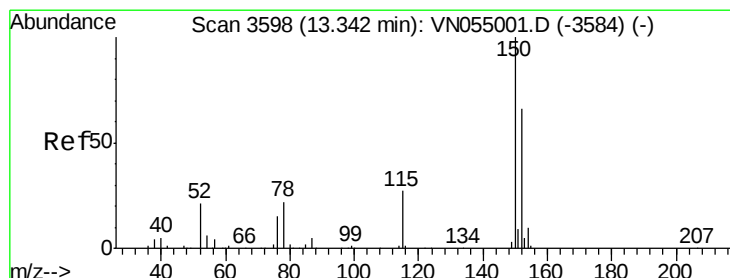
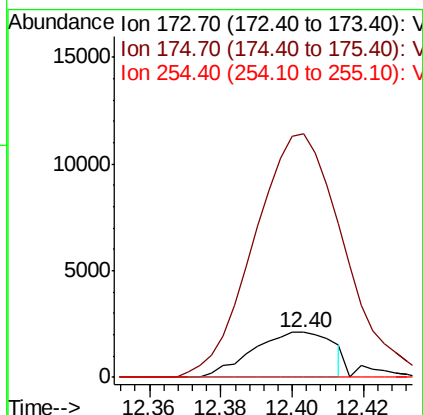
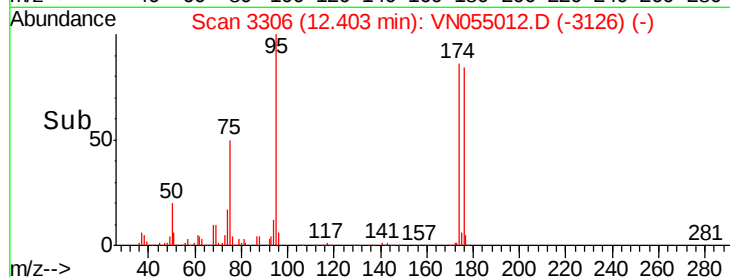
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

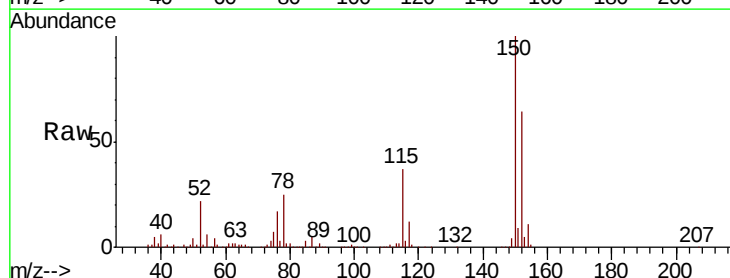
Tgt Ion:152 Resp: 240325

Ion Ratio Lower Upper

152 100

115 57.6 28.5 85.6

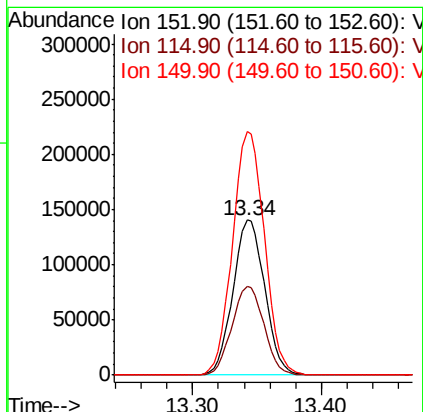
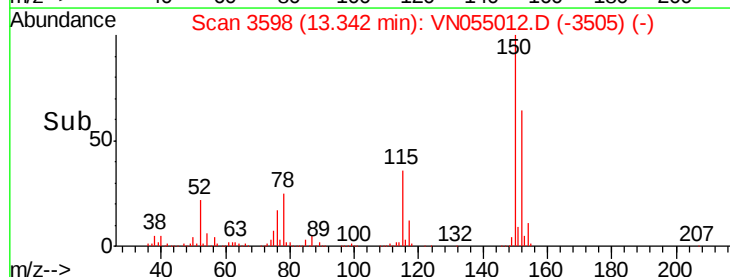
150 158.0 0.0 347.2

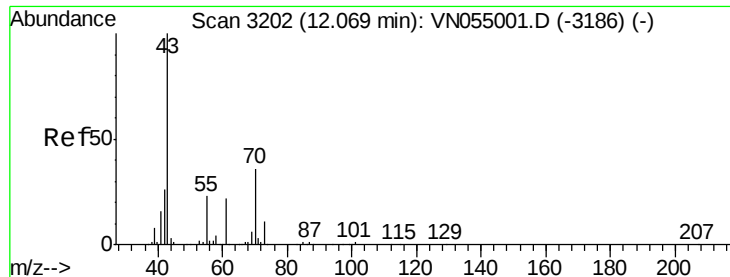


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.256 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1574

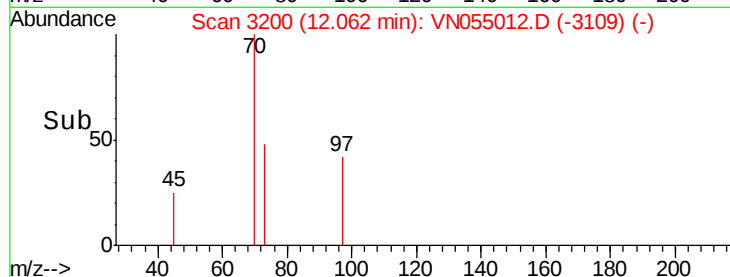
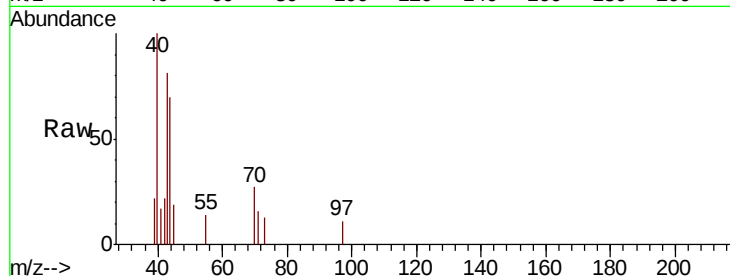
Ion Ratio Lower Upper

43 100

70 40.7 29.4 44.0

55 8.8 19.0 28.4#

61 0.0 17.7 26.5#

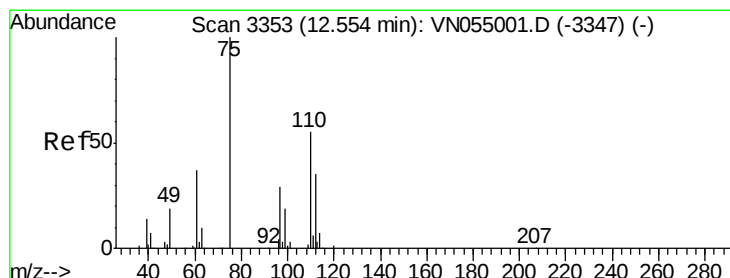
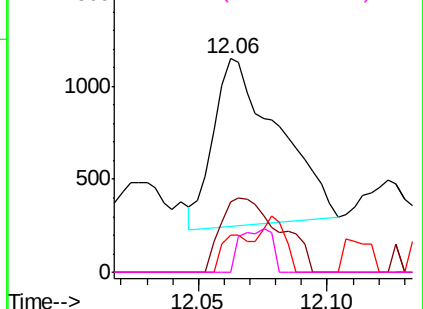


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 35.794 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055012.D

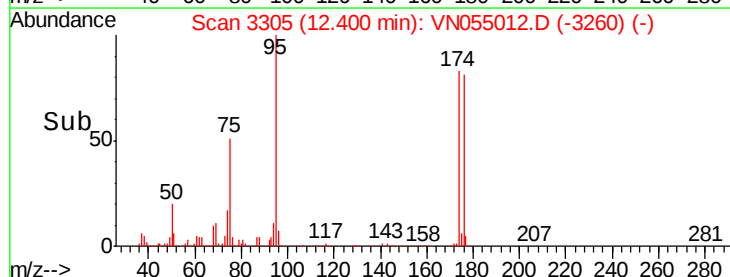
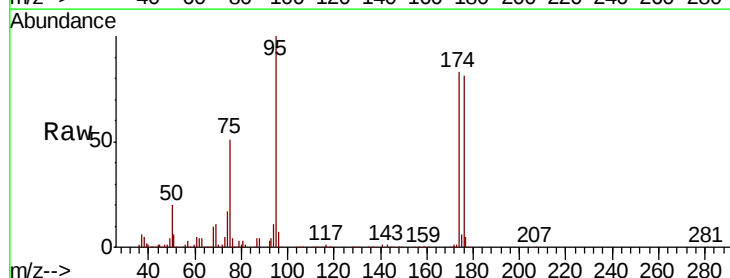
Acq: 12 Apr 2019 21:05

Tgt Ion: 75 Resp: 158260

Ion Ratio Lower Upper

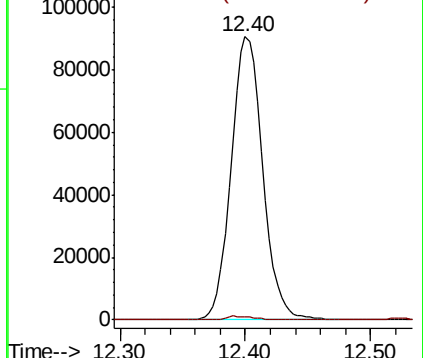
75 100

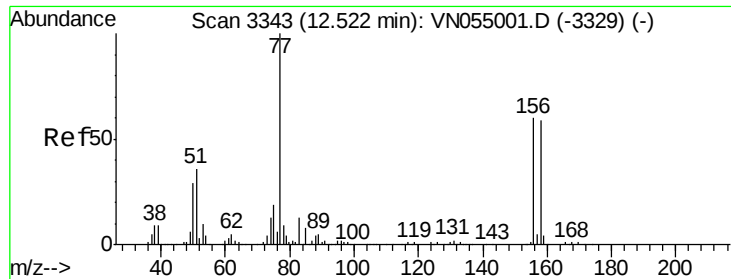
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

ClientSampleId :

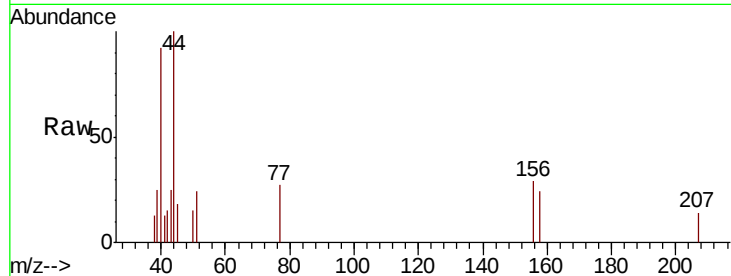
Tot Ion:156 Resp: 494

Ion Ratio Lower Upper

156 100

77 138.5 97.2 291.5

158 94.1 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

800

600

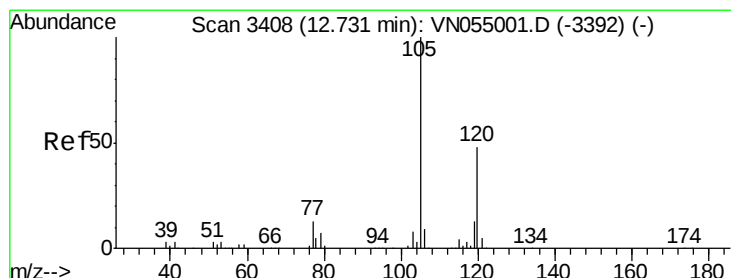
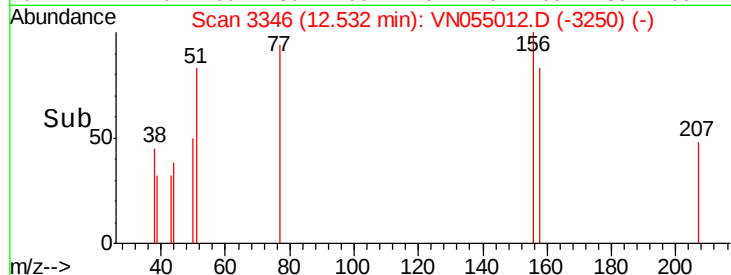
400

200

0

12.50 12.52 12.54 12.56

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.293 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055012.D

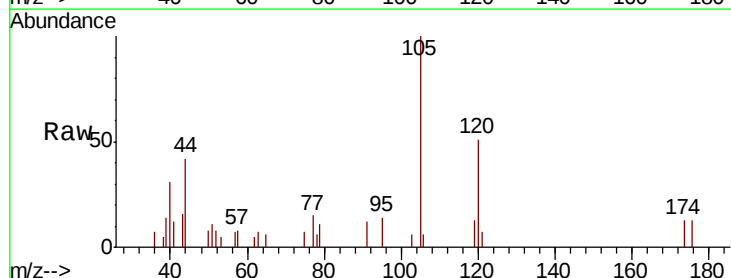
Acq: 12 Apr 2019 21:05

Tgt Ion:105 Resp: 4879

Ion Ratio Lower Upper

105 100

120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

3000

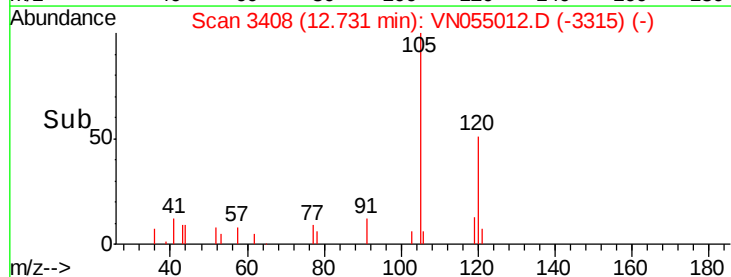
2000

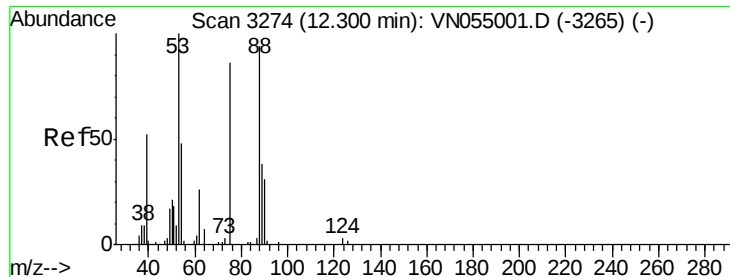
1000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 147.740 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

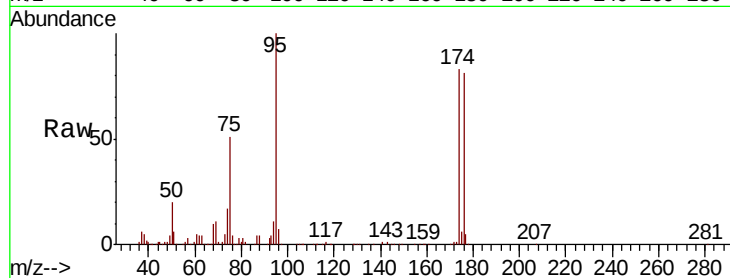
Tot Ion: 75 Resp: 158260

Ion Ratio Lower Upper

75 100

53 0.0 96.3 144.5#

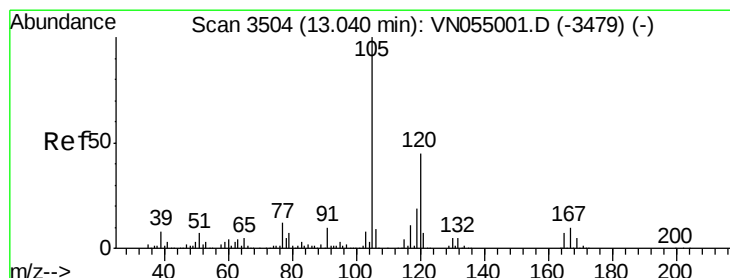
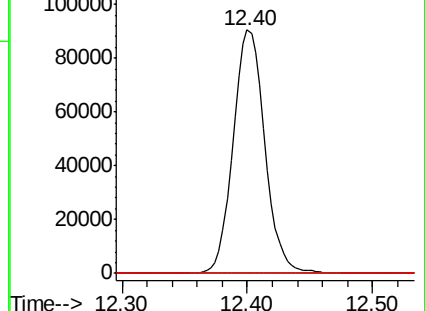
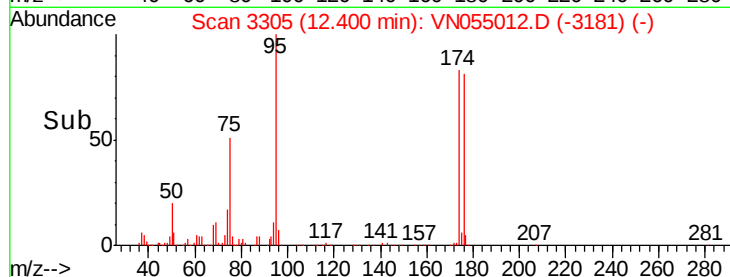
89 0.0 38.6 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055012.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055012.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055012.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.272 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN055012.D

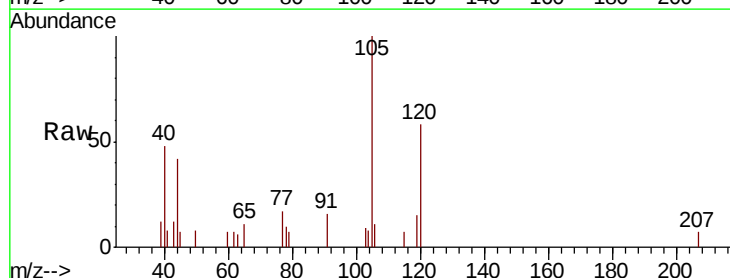
Acq: 12 Apr 2019 21:05

Tgt Ion: 105 Resp: 4336

Ion Ratio Lower Upper

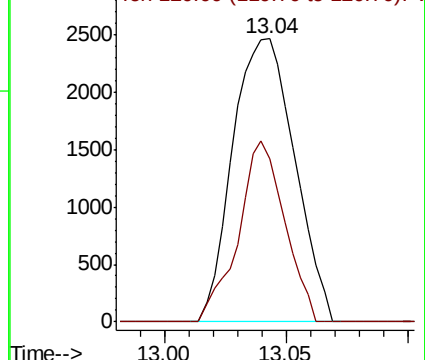
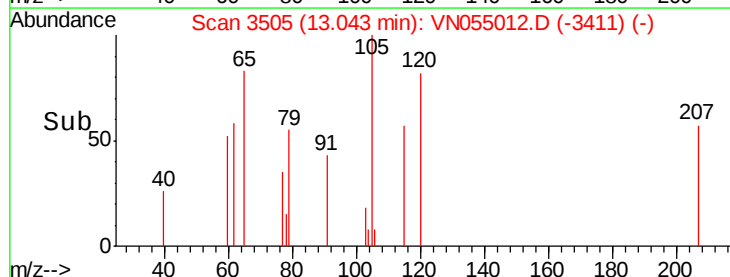
105 100

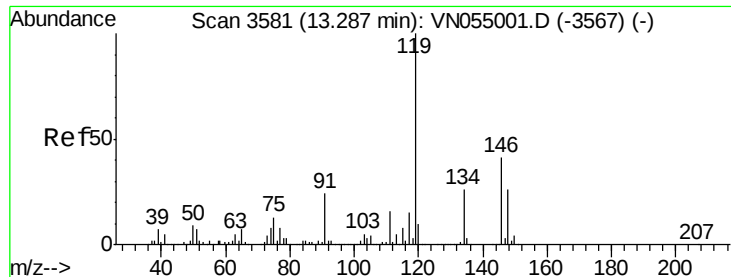
120 47.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): VN055012.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN055012.D (-3411) (-)

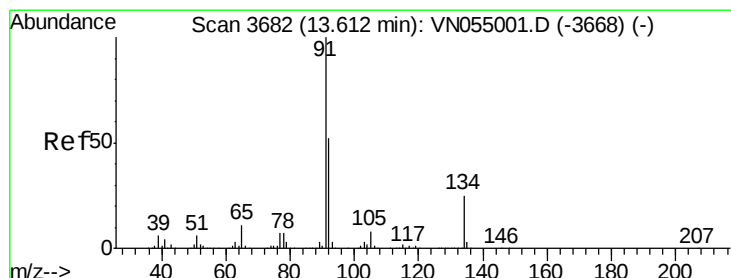
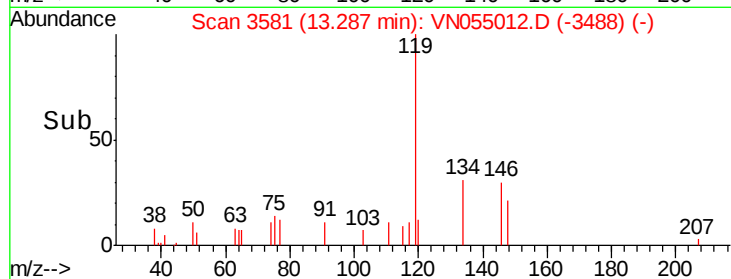
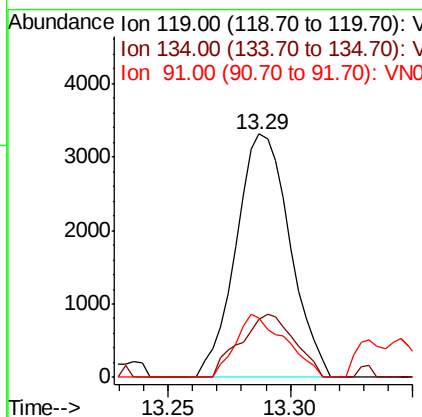
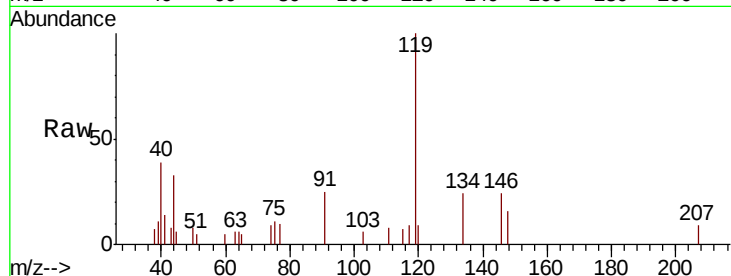




#86
 p-Isopropyltoluene
 Concen: 0.320 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055012.D
 Acq: 12 Apr 2019 21:05

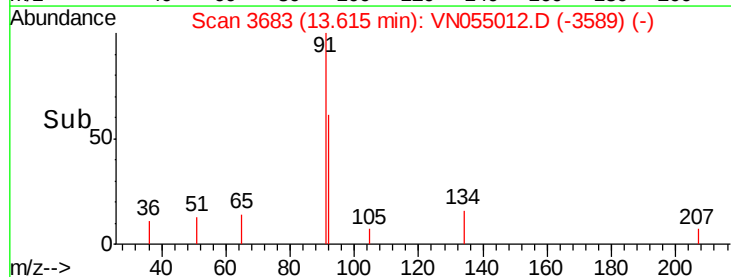
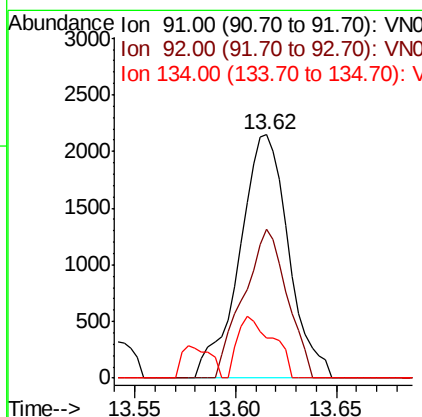
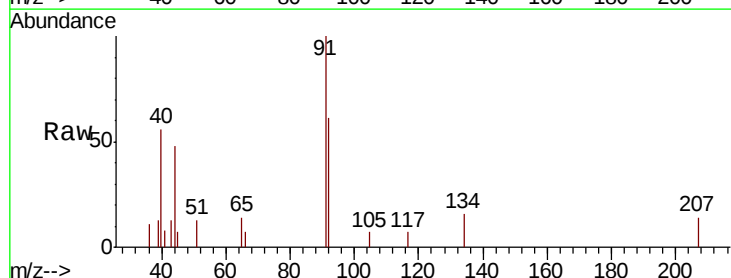
Instrument :
 MSVOA_N
 ClientSampleId :

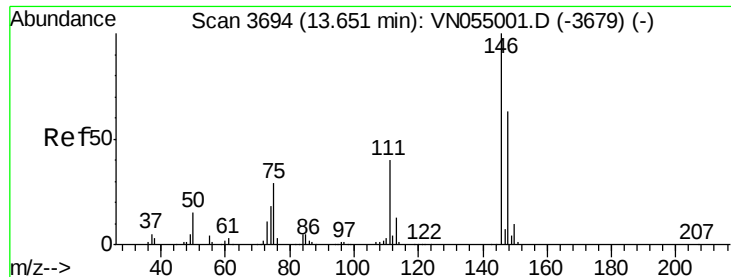
Tot Ion: 119 Resp: 5068
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 23.8 11.7 35.1



#89
 n-Butylbenzene
 Concen: 0.294 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN055012.D
 Acq: 12 Apr 2019 21:05

Tgt Ion: 91 Resp: 3656
 Ion Ratio Lower Upper
 91 100
 92 54.5 25.9 77.7
 134 18.3 12.8 38.3





#91

1,2-Dichlorobenzene

Concen: 0.213 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

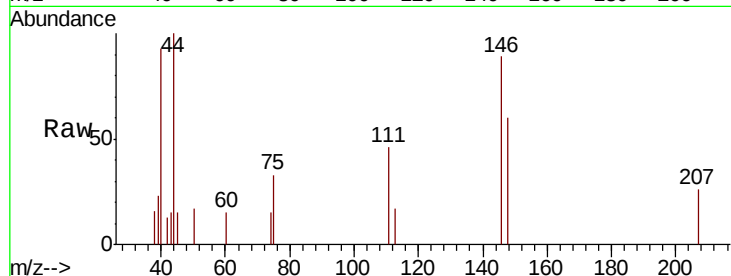
Tot Ion:146 Resp: 1684

Ion Ratio Lower Upper

146 100

111 39.0 20.3 60.9

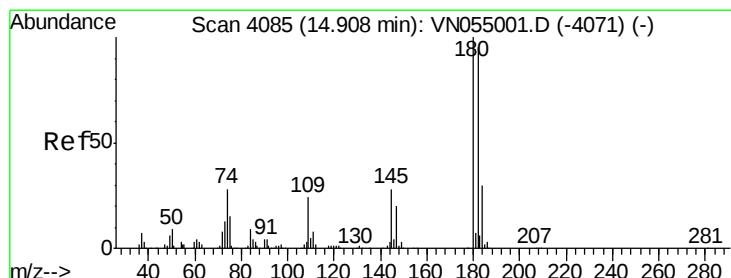
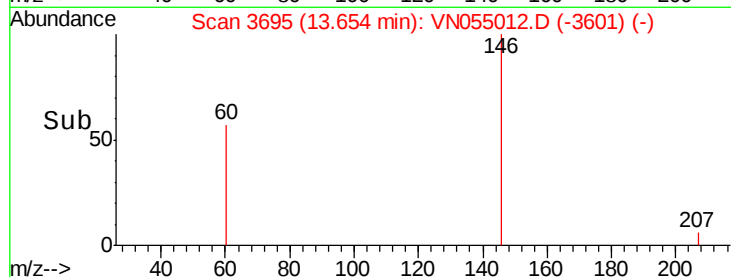
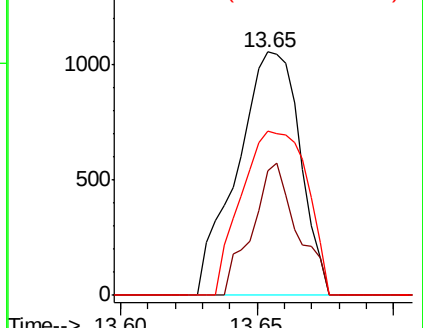
148 71.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 4.076 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

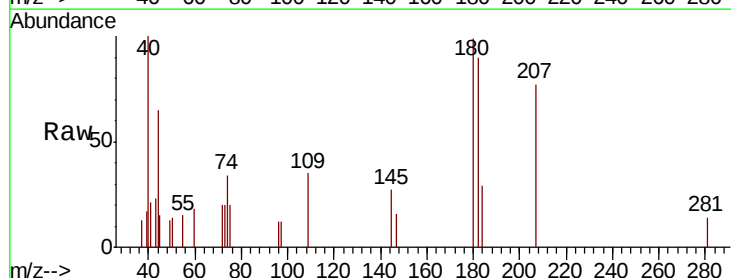
Tgt Ion:180 Resp: 2307

Ion Ratio Lower Upper

180 100

182 81.8 47.5 142.6

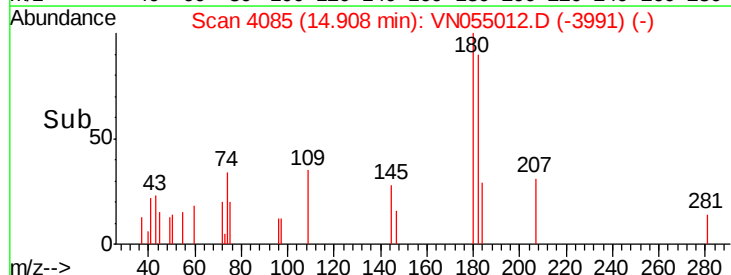
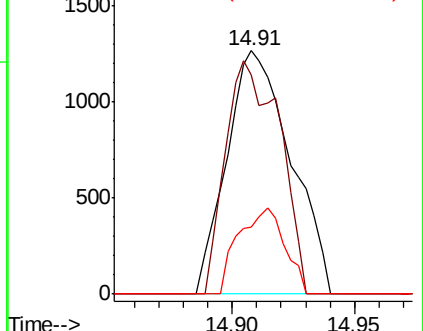
145 25.4 14.2 42.8

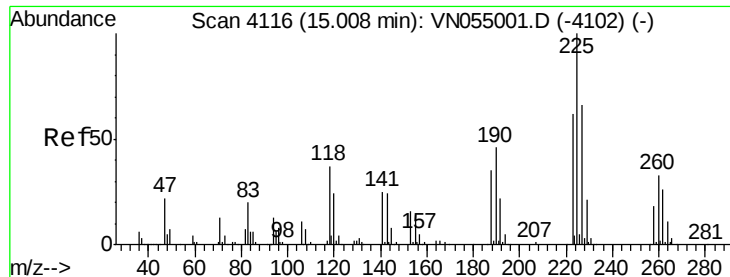


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

Instrument :

MSVOA_N

ClientSampled :

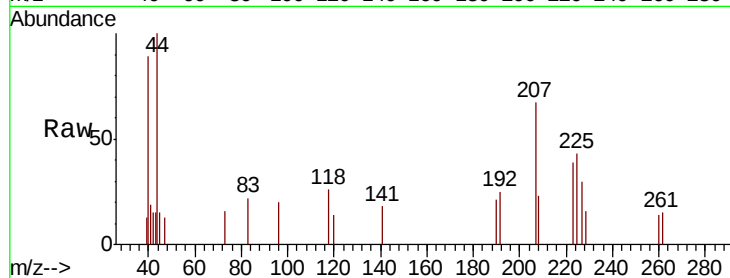
Tot Ion:225 Resp: 624

Ion Ratio Lower Upper

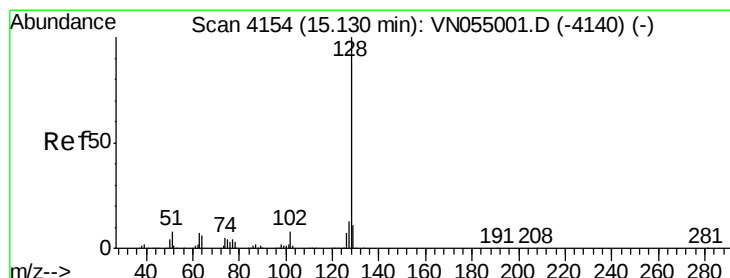
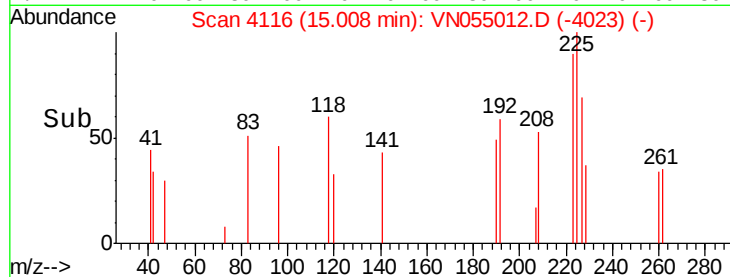
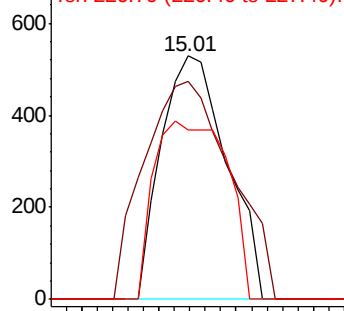
225 100

223 119.1 31.4 94.0#

227 81.7 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.783 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055012.D

Acq: 12 Apr 2019 21:05

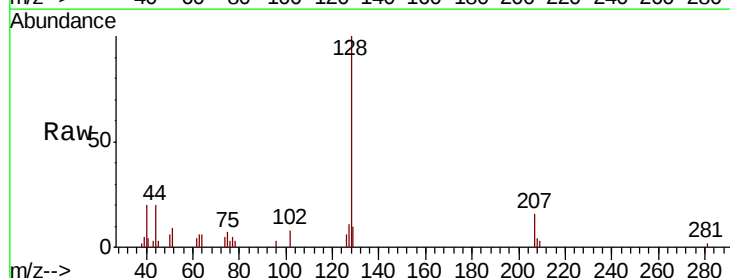
Tgt Ion:128 Resp: 11218

Ion Ratio Lower Upper

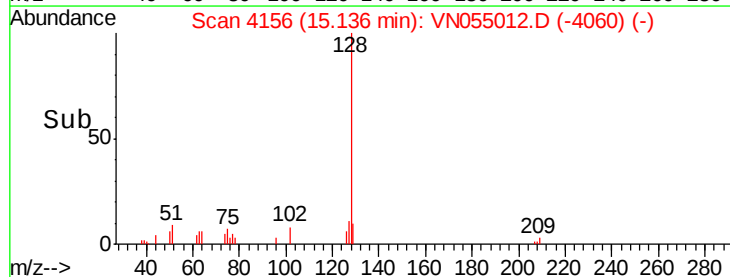
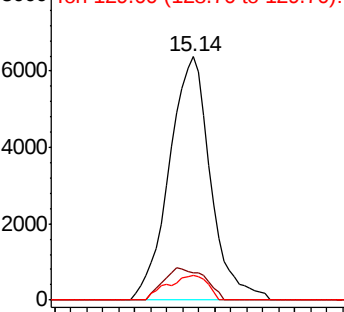
128 100

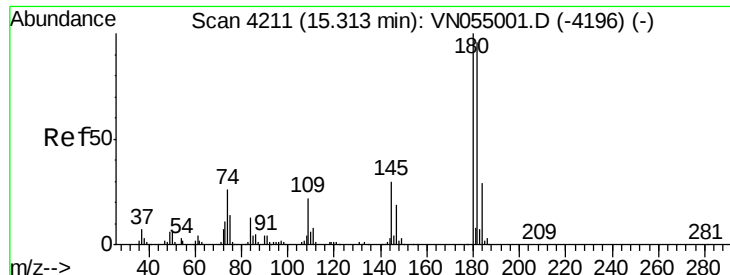
127 13.3 10.1 15.1

129 9.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.767 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055012.D
 Acq: 12 Apr 2019 21:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 2742
 Ion Ratio Lower Upper
 180 100
 182 86.9 48.0 144.0
 145 30.3 15.3 45.9

